

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-11 and amended claims 1-12 (cancelled)

Claim 13 (new): An artificial intra ocular lens of variable optical power comprising at least two optical elements which can be shifted relative to each other in a direction extending perpendicular to the optical axis wherein the optical elements have such a shape that they exhibit, in combination, different optical powers at different relative positions, wherein the optical elements are each connected to an elastic haptic and a non-elastic haptic, and that the elastic haptic of one element is connected to the non-elastic haptic of the other element through a connecting anchor.

Claim 14 (new): The artificial intra ocular lens as claimed in claim 13, wherein the elastic haptics and the non-elastic haptics are connected to opposite sides of the optical elements.

Claim 15 (new): The artificial intra ocular lens as claimed in claim 13, wherein the non-elastic elements are formed by fixed elements.

Claim 16 (new): The artificial intra ocular lens as claimed in claim 13, wherein at least one of its optical elements has at least one saddle shaped surface.

Claim 17 (new): The artificial intra ocular lens as claimed in claim 13, wherein the connecting anchor is adapted to be connected to a part of the capsular bag of the eye.

Claim 18 (new): The artificial intra ocular lens as claimed in claim 13, wherein by adjusting means which are connected to the optical elements for adjustment of the resting position of the optical elements.

Claim 19 (new): An application of artificial intra ocular lens according to claim 13, further comprising an application of the lens for correction of a disorder of the eye.

Claim 20 (new): The application of artificial intra ocular lens as claimed in claim 13, wherein the use of the lens as an accommodating artificial intra ocular lens.

Claim 21 (new): The application of artificial intra ocular lens as claimed in claim 13, wherein the use of the lens as a non-accommodating artificial intra ocular lens.

Claim 22 (new): The artificial intra ocular lens as claimed in claim 13, wherein at least one of its two planes has an optical diffraction structure.

Claim 23 (new): The artificial intra ocular lens according to claim 13, wherein at least one of the optical elements comprises an optical structure of the GRIN type.

Claim 24 (new): The artificial intra ocular lens according to claim 13, wherein the optical elements are adapted to change their combined optical power when rotated relatively to each other.